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INFORMATION DISCLOSURE CITATION

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ATTY. DOCKET NO:
7214.07APPLICATION NO:
10/042,043APPLICANT(S):
Charles N. SerhanFILING DATE:
October 19, 2001GROUP ART UNIT:
1614MAR 27 2002
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE*

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
						YES NO

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

AA	Weissmann, G., Smolen, J. E., and Korchak, H. M. (1980) Release of inflammatory mediators from stimulated neutrophils. <i>N. Engl. J. Med.</i> 303, 27-34
AB	Serhan, C. N., Haeggstrom, J. Z., and Leslie, C. C. (1996) Lipid mediator networks in cell signaling: update and impact of cytokines. <i>FASEB J.</i> 10, 1147-1158
AC	Weiss, S. J. (1989) Tissue destruction by neutrophils. <i>N. Engl. J. Med.</i> 320, 365-376
AD	Serhan, C. N. (1994) Lipoxin biosynthesis and its impact in inflammatory and vascular events. <i>Biochim. Biophys. Acta</i> 1212, 1-25
AE	Borgeat, P., and Naccache, P. H. (1990) Biosynthesis and biological activity of leukotriene B ₄ . <i>Clin. Biochem.</i> 23, 459-468
AF	Yokomizo, T., Izumi, T., Chang, K., Takuwa, T., and Shimizu, T. (1997) A G-protein-coupled receptor for leukotriene B ₄ that mediates chemotaxis. <i>Nature</i> 387, 620-624
AG	Fiore, S., Romano, M., Reardon, E. M., and Serhan, C. N. (1993) Induction of functional lipoxin A ₄ receptors in HL-60 cells. <i>Blood</i> 81, 3395-3403
AH	Isakson, P., Seibert, K., Masferrer, J., Salvemini, D., Lee, L., and Needleman, P. (1995) Discovery of a better aspirin. <i>Advances in Prostaglandin, Thromboxane & Leukotriene Research</i> 23, 49-54
AI	Chiang, N., Takano, T., Clish, C. B., Petasis, N. A., Tai, H.-H., and Serhan, C. N. (1998) Aspirin-triggered 15-epi-lipoxin A ₄ (ATL) generation by human leukocytes and murine peritonitis exudates: development of a specific 15-epi-LXA ₄ ELISA. <i>J. Pharmacol Exper. Ther.</i> 287, 779-790
AJ	Serhan, C. N., Maddox, J. F., Petasis, N. A., Akritopoulou-Zanze, I., Papayianni, A., Brady, H. R., Colgan, S. P., and Madara, J. L. (1995) Design of lipoxin A ₄ stable analogs that block transmigration and adhesion of human neutrophils. <i>Biochemistry</i> 34, 14609-14615

Dwight Coker June 21, 2002

O 1 P E FEB 18 2002 PATENT & TRADEMARK OFFICE	AK	Takano, T., Fiore, S., Maddox, J. F., Brady, H. R., Petasis, N. A., and Serhan, C. N. (1997) Aspirin-triggered 15-epi-lipoxin A ₄ (LXA ₄) and LXA ₄ Stable analogues are potent inhibitors of acute inflammation: Evidence for anti-inflammatory receptors. <i>J. Exp. Med.</i> 185, 1693-1704
AL	AM	Owman, C., Garzino-Demo, A., Cocchi, F., Popovic, M., Sabirsh, A., and Gallo, R. (1998) The leukotriene B ₄ receptor functions as a novel type of coreceptor mediating entry of primary HIV-1 isolates into CD4-positive cells. <i>Proc. Natl. Acad. Sci.</i> 95, 9530-9534
AM	AN	Marcus, A. J. (1995) Aspirin as prophylaxis against colorectal cancer. <i>N. Engl. J. Med.</i> 333, 656-658
AN	AO	Vainio, H., and Morgan, G. (1997) Aspirin for the second hundred years: new uses for an old drug. <i>Pharmacol Toxicol</i> 81, 151-152
AO	AP	Herschman, H. R. (1998) Recent progress in the cellular and molecular biology of prostaglandin synthesis. <i>Trends in Cardiovasc. Med.</i> 8, 145-150
AP	AQ	Takano, T., Clish, C. B., Gronert, K., Petasis, N., and Serhan, C. N. (1998) Neutrophil-mediated changes in vascular permeability are inhibited by topical application of aspirin-triggered 15-epi-lipoxin A ₄ and novel lipoxin B ₄ stable analogues. <i>J. Clin. Invest.</i> 101, 819-826
AQ	AR	Billah, M. M., Eckel, S., Mullmann, T. J., Egan, R. W., and Siegel, M. I. (1989) Phosphatidylcholine hydrolysis by phospholipase D determines phosphatidate and diglyceride levels in chemotactic peptide-stimulated human neutrophils. Involvement of phosphatidate phosphohydrolase in signal transduction. <i>J. Biol. Chem.</i> 264, 17069-17077
AR	AS	Wakelam, M. J. O., Martin, A., Hodgkin, M. N., Brown, F., Pettit, T. R., Cross, M. J., De Takats, P. G., and Reynolds, J. L. (1997) Role and regulation of phospholipase D activity in normal and cancer cells. <i>Advances in Enzyme Regulation</i> 37, 29-34
AS	AT	Olson, S. C., and Lambeth, J. D. (1996) Biochemistry and cell biology of phospholipase D in human neutrophils. <i>Chem. Phys. Lipids</i> 80, 3-19
AT	AU	Steed, P. M., Clark, K. L., Boyar, W. C., and Lasala, D. J. (1998) Characterization of human PLD2 and the analysis of PLD isoform splice variants. <i>FASEB J.</i> 12, 1309-1317
AU	AV	Martin, A., Saqib, K. M., Hodgkin, M. N., Brown, F. D., Pettit, T. R., Armstrong, S., and Wakelam, M. J. O. (1997) Role and regulation of phospholipase D signalling. <i>Biochem. Soc. Trans.</i> 25, 1157-1160
AV	AW	Levy, B. D., Petasis, N. A., and Serhan, C. N. (1997) Polyisoprenyl phosphates in intracellular signalling. <i>Nature</i> 389, 985-989
AW	AX	Agwu, D. E., McPhail, L. C., Sozzani, S., Bass, D. A., and McCall, C. E. (1991) Phosphatidic acid as a second messenger in human polymorphonuclear leukocytes. Effects on activation of NADPH oxidase. <i>J. Clin. Invest.</i> 88, 531-539
AX	AY	Pettit, T. R., Martin, A., Horton, T., Liossis, C., Lord, J. M., and Wakelam, M. J. O. (1997) Diacylglycerol and phosphatidate generated by phospholipases C and D, respectively, have distinct fatty acid compositions and functions. <i>J. Biol. Chem.</i> 272, 17354-17359
AY		Gomez-Cambronero, J. (1995) Immunoprecipitation of a phospholipase D activity with antiphosphotyrosine antibodies. <i>J. Interferon Cytokine Res.</i> 15, 877-885

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	AZ	Abousalham, A., Riviere, M., Teissere, M., and Verger, R. (1993) Improved purification and biochemical characterization of phospholipase D from cabbage. <i>Biochim. Biophys. Acta</i> 1158, 1-7
3/1/02 PATENT & TRADEMARK OFFICE RECEIVED MARCH 18 2002	BB	Zhou, H.-L., Chabot-Fletcher, M., Foley, J. J., Sarau, H. M., Tzimas, M. N., Winkler, J. D., and Torphy, T. J. (1993) Association between leukotriene B ₄ -induced phospholipase D activation and degranulation of human neutrophils. <i>Biochem. Pharmacol.</i> 46, 139-148
3/1/02 PATENT & TRADEMARK OFFICE RECEIVED MARCH 18 2002	BC	Shechter, I., Fogelman, A. M., and Popjak, G. (1980) A deficiency of mixed function oxidase activities in the cholesterol biosynthetic pathway of human granulocytes. <i>J. Lipid Res.</i> 21, 277-283
3/1/02 PATENT & TRADEMARK OFFICE RECEIVED MARCH 18 2002	BD	Rabinowitz, J. L., Baker, D. G., Villanueva, T. G., Asanza, A. P., and Capuzzi, D. M. (1992) Liver lipid profiles of adults taking therapeutic doses of aspirin. <i>Lipids</i> 27, 311-314
3/1/02 PATENT & TRADEMARK OFFICE RECEIVED MARCH 18 2002	BE	Claria, J., and Serhan, C. N. (1995) Aspirin triggers previously undescribed bioactive eicosanoids by human endothelial cell-leukocyte interactions. <i>Proc. Natl. Acad. Sci.</i> 92, 9475-9479
3/1/02 PATENT & TRADEMARK OFFICE RECEIVED MARCH 18 2002	BF	Serhan, C. N. (1997) Lipoxins and Novel Aspirin-Triggered 15-epi-Lipoxins: A Jungle of Cell-Cell Interactions or a Therapeutic Opportunity? <i>Prostaglandins</i> 53, 107-137
3/1/02 PATENT & TRADEMARK OFFICE RECEIVED MARCH 18 2002	BG	Exton, J. H. (1997) New developments in phospholipase D. <i>J. Biol. Chem.</i> 272, 15579-15582
3/1/02 PATENT & TRADEMARK OFFICE RECEIVED MARCH 18 2002	BH	Fensome, A., Whatmore, J., Morgan, C., Jones, D., and Cockcroft, S. (1998) ADP-ribosylation factor and Rho proteins mediate fMLP-dependent activation of phospholipase D in human neutrophils. <i>J. Biol. Chem.</i> 273, 13157-13164
3/1/02 PATENT & TRADEMARK OFFICE RECEIVED MARCH 18 2002	BI	Jarstfer, M. B., Blagg, B. S. J., Rogers, D. H., and Poulter, C. D. (1996) Biosynthesis of squalene. Evidence for a tertiary cyclopropylcarbinyl cationic intermediate in the rearrangement of presqualene diphosphate to squalene. <i>J. Amer. Chem. Soc.</i> 118, 13089-13090
Examiner		<p>Date Considered: <i>Dwadene C. Jones</i> <i>June 21, 2002</i></p> <p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and considered. Include copy of this form with next communication to applicant.</p> <p>#866268v1 < imanage > -101536-39 PTO 1449.wpd</p>

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	<p>APPLICANT Charles N. Serhan</p>	
	<p>FILING DATE October 19, 2001</p>	<p>GROUP ART UNIT 1614</p>

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS						
Examiner Initial	Document Number	Date	Country	Class	Sub-class	Translation
AC	WO 94/29262	12/22/1994	PCT	→	→	No
AC	WO 95/01179	1/12/1995	PCT	→	→	No
AC	WO 00/54767	9/21/2000	PCT	→	→	No
						No
						No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Examiner Initial	Document Description
	PCT/US00/06669 International Search Report
DJD	Serhan et al., "Aspirin-Triggered 15-EPI-Lipoxin A ₄ and Novel Lipoxin B ₄ Stable Analogs Inhibit Neutrophil-Mediated Changes In Vascular Permeability", <i>Advances in Experimental Medicine and Biology</i> , Vol. 469, 1999, pgs. 287-293
MAB	Gewirtz et al., "Pathogen-Induced Chemokine Secretion from Model Intestinal Epithelium is Inhibited by Lipoxin A ₄ Analogs", <i>Journal of Clinical Investigation</i> , Vol. 101, No. 9, May 1998, pgs. 1860-1869
JPH	Hansson et al., "Activation of Protein Kinase C By Lipoxin A and Other Eicosanoids. Intracellular Action of Oxygenation Products of Arachidonic Acid", <i>Biochemical and Biophysical Research Communications</i> , Vol. 134, No. 3, 1986, pgs. 1215-1222

EXAMINER	DATE CONSIDERED
<i>Wade C. Coker</i>	<i>June 21, 2002</i>

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Rev. 1/22/02

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